MODEL 163 with CODE (414a) Electric glass sliding/pop-up roof

Function prerequisites
- D Voltage not too low or too high
- D Switch-on conditions for convenience control fulfilled
- D Sliding/pop-up roof synchronized

Function
When **switch (SHD, S13/2)** is actuated continuously, circuit 30 is switched through to the **sliding/pop-up roof (M12)** and the pop-up roof opens.
The function "Open pop-up roof" is executed as long as
- D **switch (SHD, S13/2)** is actuated and
- D the pop-up roof has not yet reached the end position and
- D lock-up is not recognized.

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If the sliding/pop-up roof is desynchronized, it moves only in the pop-up roof direction each time the **switch (SHD, S13/2)** is actuated. This means that it is possible to move to the zero position for synchronizing. After successful **synchronization**, the sliding/pop-up roof can be controlled again without limitation.

i Vehicles **up to 11.99:**
The power for the **sliding/pop-up roof (M12)** is supplied via a fuse directly to c. 30.
The power for the **switch (SR, S13/2)** is supplied via the **convenience relay (F1k14)**, which is actuated by the all-activity module (AAM, N10).

Vehicles **as of 12.99:**
The power for the **sliding/pop-up roof (M12)** is supplied via a fuse directly to c. 30. The power for the **switch (SHD, S13/2)** is supplied via a lead to the **extended-activity module (EAM, N10/1)**, this power is switched through only when the switch-on conditions for the convenience control are fulfilled and the EAM is coded accordingly.

	Closing sliding /pop-up roof, function		GF77.20-P-2002GH
	Sliding /pop-up roof lock-up recognition, function		GF77.20-P-3000GH
	Sliding /pop-up roof position measurement, function		GF77.20-P-3001GH
	Synchronizing sliding /pop-up roof, function		GF77.20-P-3002GH
	Convenience control		GF72.29-P-2002GH
	All-activity module (AAM)	up to 11.99	GF54.21-P-4100GH
	Extended-activity module, location/ purpose/design/function	as of 12.99	GF54.21-P-4107GK